

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/25/2020 10:19 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125317	0	1.97	125373	1.97
Blue	F	SSC	125000	124110	-1	1.52	124909	1.52
Blue	E	FITC	15892	15454	-3	2.82	336	20.72
Blue	D	PE	29999	29369	-3	1.99	640	14.66
Blue	B	PerCP-Cy5-5	43732	43348	-1	3.66	1164	20.24
Blue	A	PE-Cy7	30845	30501	-2	6.01	585	40.60
Red	C	APC	46112	45424	-2	2.46	1605	12.38
Red	A	APC-Cy7	30458	29643	-3	2.38	789	12.15
Violet	B	V450	7918	7556	-5	4.84	422	13.51
Violet	A	V500	32171	30760	-5	4.63	715	10.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17623	10.46	623	2	N/A	N/A	Pass
Blue	F	SSC	56625	1.18	564	5	N/A	N/A	Pass
Blue	E	FITC	61	63.54	543	0	0.0180	79	Pass
Blue	D	PE	133	50.51	549	1	0.1736	307	Pass
Blue	B	PerCP-Cy5-5	213	50.10	657	1	0.0092	68	Pass
Blue	A	PE-Cy7	105	105.02	699	1	0.0111	25	Pass
Red	C	APC	383	25.48	588	4	0.0230	108	Pass
Red	A	APC-Cy7	174	28.43	559	3	0.0052	664	Pass
Violet	B	V450	64	59.78	459	1	0.0476	1824	Pass
Violet	A	V500	107	31.67	475	1	0.0232	470	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/25/2020 10:19 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.52	-31.78	1.04
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.47
Red	15.43	13.60 - 20.40	N/A	N/A	29.12	29.79	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 10204

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments